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APPLICATION NO. FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/019,407 03/25/2002	Yoshinobu Kimura	520.41003 X00	3893
20457 7590 01 ANTONELLI, TERRY, STOUT	• EXAMINER		
1300 NORTH SEVENTEENTH	SCHILLINGER, LAURA M		
SUITE 1800 ARLINGTON, VA 22209-3873	ART UNIT	PAPER NUMBER	
ARLINGTON, VA 22207-3073	2813		
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SHORTENED STATUTORY PERIOD OF RESPON	NSE MAIL DATE	DELIVERY MODE	
3 MONTHS	01/17/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
	10/019,407	KIMURA ET AL.			
Office Action Summary	Examiner	Art Unit			
•					
The MAILING DATE of this communication ap	Laura M. Schillinger pears on the cover sheet with to	2813 he correspondence address			
Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICAT 136(a). In no event, however, may a reply will apply and will expire SIX (6) MONTHS e, cause the application to become ABAND	TION. be timely filed from the mailing date of this communication. ONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 18 C	October 2006.				
· —	, –				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) Claim(s) 1-13 and 16-20 is/are pending in the 4a) Of the above claim(s) 1,2,5-13 and 16-20 is 5) Claim(s) is/are allowed. 6) Claim(s) 3 is/are rejected. 7) Claim(s) 4 is/are objected to. 8) Claim(s) are subject to restriction and/o	s/are withdrawn from consider	ration.			
Application Papers					
9)☐ The specification is objected to by the Examine	ar				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the prio application from the International Bureau * See the attached detailed Office action for a list	es have been received. es have been received in Application of the second of the seco	cation No eived in this National Stage			
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summ				
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Ma 5) Notice of Inform 6) Other:	il Date aal Patent Application			

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 3 is rejected under 35 U.S.C. 102(e) as being anticipated by Noguchi et al ('380).

3. (Previously Presented) A semiconductor device comprising plural transistors formed in a polycrystalline semiconductor thin film, wherein the polycrystalline semiconductor thin film is formed by a plurality of laser irradiation steps, wherein the laser irradiation steps are carried out so that, after the last laser irradiation step, the number of crystal grains with the number of closest crystal grains of 6 is greatest among plural crystal grains that form the polycrystalline semiconductor thin film (Fig.10-12).

Allowable Subject Matter

Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Nanishi fails to teach nor suggest the language recited in claim 4, that is wherein the roughness of the grain boundaries is 5nm or less. Consequently, claim 4 contains allowable subject matter.

Response to Arguments

Applicant's arguments with respect to claims 3-4 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura M. Schillinger whose telephone number is (571) 272-1697. The examiner can normally be reached on M-T, R-F 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl W. Whitehead, Jr. can be reached on (571) 272-1702. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Laura M Schillinger Primary Examiner Art Unit 2813

12/25/06